**C:\Documents and Settings\gtompkin\Local Settings\Temporary Internet Files\Content.IE5\57UH53PR\MC900311066[1].WMFLesson: Using Data in Pictographs and Bar Graphs (Unit 12 Part 1)**

**MASTERY FOCUS**  **(PL-2, PL-3, I-1, I-6)**

**Essential Understanding:** Organization of information shows relationships.

**Essential Questions:**

1. How is the key in pictographs the same/different as the scale in a bar graph?
2. How are pictographs the same/different than bar graphs?
3. What is the difference between numerical and categorical data?
4. Which particular types of graphs are more/less appropriate for which kinds of data?
5. What questions can be answered by a graph? (category with greatest value, category with least value, the number of participants responding in the survey)
6. What are ways to gather and record information?

**Standards: What will students know, understand, and be able to do?**

|  |  |
| --- | --- |
| **TEKS**  **Math.3.13A Collect, organize, record, and display data in pictographs and bar graphs where each picture or cell might represent more than one piece of data.** | **ELPS**  **ELPS C.2 Learn new language structure, expressions, and basic academic vocabulary heard during classroom instruction and interactions** |

**Key Vocabulary: What key terms will my students need to understand?**

Pictograph, bar graph, number scales, key, horizontal, vertical, data, survey, frequency, tally chart

**Assessment Plan: How will I assess prior knowledge? How will I know my students mastered standards?**

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**LESSON CYCLE (I-1, I-4, I-5, I-6, I-8)**

**How will I engage my students in learning? How will I lead my students to mastery?**

**CHECKS FOR UNDERSTANDING (I-2)**

|  |  |
| --- | --- |
| 1. **Engage and Connect:**   **Do Now:** |  |
| 1. **Introduce New Learning:** |  |

|  |  |
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| 1. **Lead Guided and Independent Practice:**   **Guided Practice:**  **Independent Practice:** |  |
| 1. **Close the Lesson and Assess Mastery:** |  |

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**DIFFERENTIATION (I-3)**

**How will I scaffold and/or accelerate learning? For whom? How will I group my students?**

**SCAFFOLD:**

**ACCELERATE:**

**GROUP:**

**LOGISTICS** **(I-6, I-10)**

**What materials, resources, and technology will I need to prepare and arrange?**